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NPIC/R-1619/63

December 1963

PHOTOGRAPHIC INTERPRETATION REPORT

# WEN-KUAN-TUN SUB-ARSENAL, MUKDEN 90TH, SHEN-YANG, CHINA



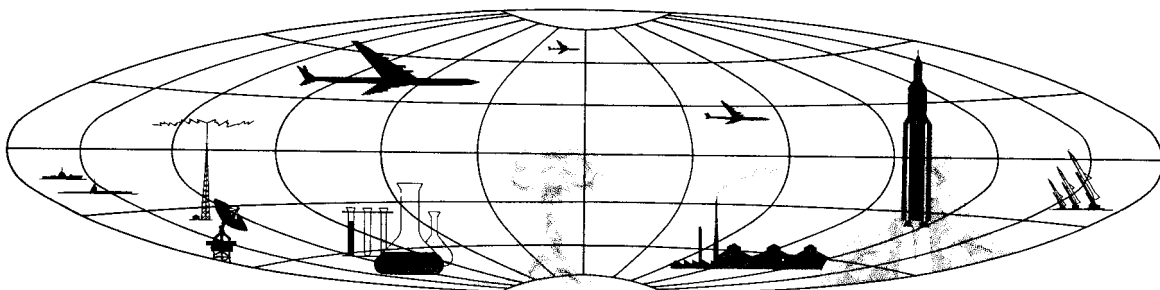
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NPIC/R-1619/63

# WEN-KUAN-TUN SUB-ARSENAL, MUKDEN 90TH, SHEN-YANG, CHINA

This report, prepared in response to requirement DIAAP IR5-2, is part of a series that will cover selected industrial installations in China.

Wen-kuan-tun Sub-arsenal, Mukden 90th [redacted], known as the 52nd Arsenal by the Chinese Communists, is situated 4.8 nm NNE of the old walled city of Shen-yang (Mukden) at 41-52-15N 123-29-00E. Approximately 980 acres in area, the walled arsenal is rail and road served.

No finished products were observed; however, they are probably packaged in small wood boxes as there is a considerable amount of lumber present and no material handling facilities present at the processing buildings to handle heavy loads. The plant appeared active in [redacted] but relatively inactive in [redacted]

Major components of the arsenal are shown on Figures 3 and 4 and described in Tables 1, 2, and 3.

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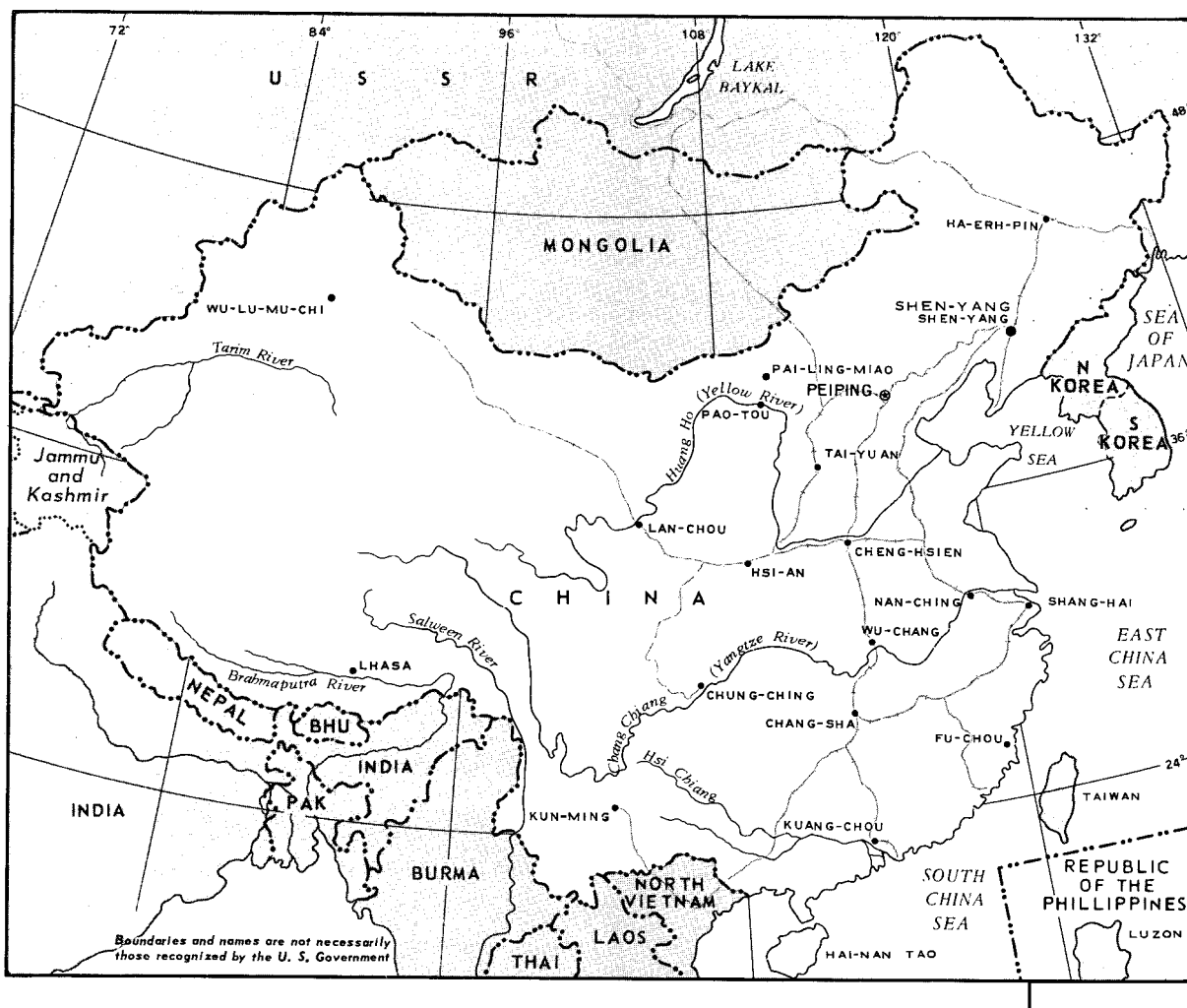


FIGURE 1. GENERAL LOCATION MAP.

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NPIC/R-1619/63



FIGURE 2. WEN-KUAN-TUN SUB-ARSENAL, MUKDEN 90TH, [REDACTED]

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Table 1. Facilities at the North Area of Wen-kuan-tun Sub-Arsenal  
(Areas are keyed to Figure 3)

Area	Type	Area (sq ft)	Remarks
A	Secured booster assembly area		Connected by covered walkways
	6 processing buildings	50,600	
	4 storage buildings	9,500	
	2 vehicle sheds	19,300	
B	Initiator area		Revettted
	4 precipitation buildings	12,000	
	4 finishing buildings	8,100	
	4 processing buildings	15,150	
	2 storage buildings	3,050	
	Packing building	2,700	
C	Powder area		Revettted
	11 processing buildings	36,400	
	4 storage buildings	7,100	
	6 storage buildings	11,400	
	Shop building	7,800	
	4 craters at former building sites		

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NPIC/R-1619/63

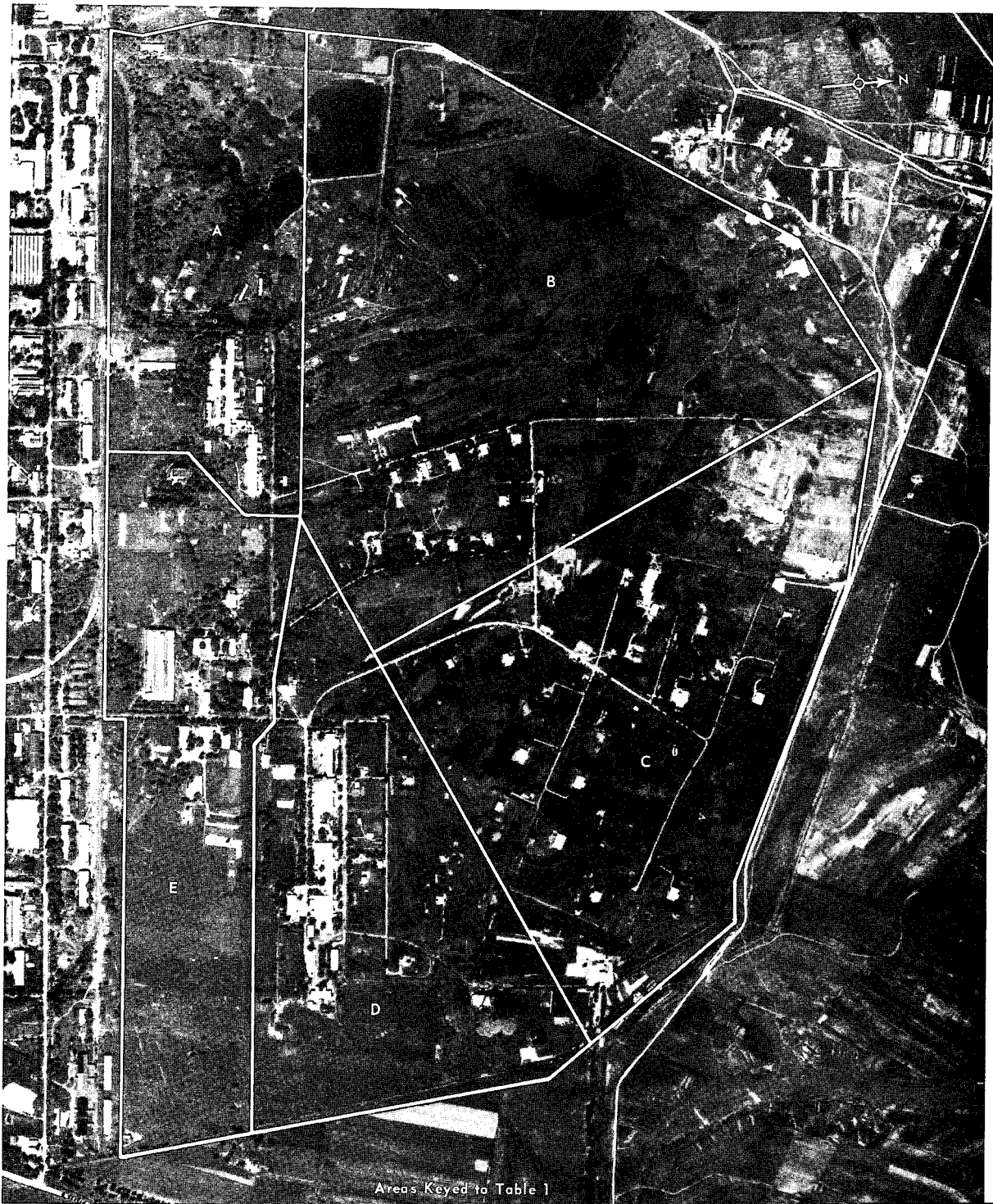


FIGURE 3. NORTH AREA OF WEN-KUAN-TUN SUB-ARSENAL,

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- 3 -

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NPIC/R-1619/63

Table 1. (Continued)

Area	Type	Area (sq ft)	Remarks
D	Secured booster loading area		
	10 processing buildings	65,700	Connected by covered walkways
	7 isolated storage buildings	9,850	
	3 storage buildings	2,700	Revettted
	Oil-fueled steam plant	5,050	
E	Processing area		
	Assembly building	63,350	
	8 processing buildings	33,300	Connected by covered walkways
	Oil-fueled steam plant	4,550	
	Water tower and 2 underground cisterns	3,100	Situated in separately secured area

Table 2. Facilities at the South Area of Wen-kuan-tun Sub-Arsenal  
(Areas are keyed to Figure 4)

Area	Type	Area (sq ft)	Remarks
A	Administration area		
	10 administration buildings	121,450	Roof cover
	4 storage buildings	24,800	
	Steam plant	3,650	
	Approximately 300 housing/support buildings		West of manufacturing area (not shown on Figure 4)
B	Manufacturing area		
	See Table 3		
C	Storage and shipping area		
	19 storage buildings	156,700	Contain internal firewalls
	5 shipping buildings	23,450	
	Warehouse	25,850	
	Open storage along railroad		Primarily timber
	Bridge crane		
D	Wood/lumber area		
	Furnace building	71,900	
	Mill building	18,050	
	Open storage		Primarily timber/lumber
E	Liquid handling area		
	2 tanks--35 feet in diameter		One is new since [ ]
	Loading/unloading shed	5,750	
	Pump house	2,600	

Table 3. Facilities at the Manufacturing Area  
(Items are keyed to Figure 4, Area B)

Item	Type	Dimensions (ft)		Remarks
		Length	Width	
1	2 administration buildings			Totaling 51,000 sq ft of roof cover
2	6 steam plants			Totaling 34,300 sq ft of floor space
3	Motor pool			16,650 sq ft of floor space
4	8 machine shop/assembly buildings	275	190	
5	Foundry	175	60	
6	Foundry	170	105	
7	Machine shop/assembly building	275	100	
8	Woodworking shop	235	55	
9	Woodworking shop	190	90	

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NPIC/R-1619/63

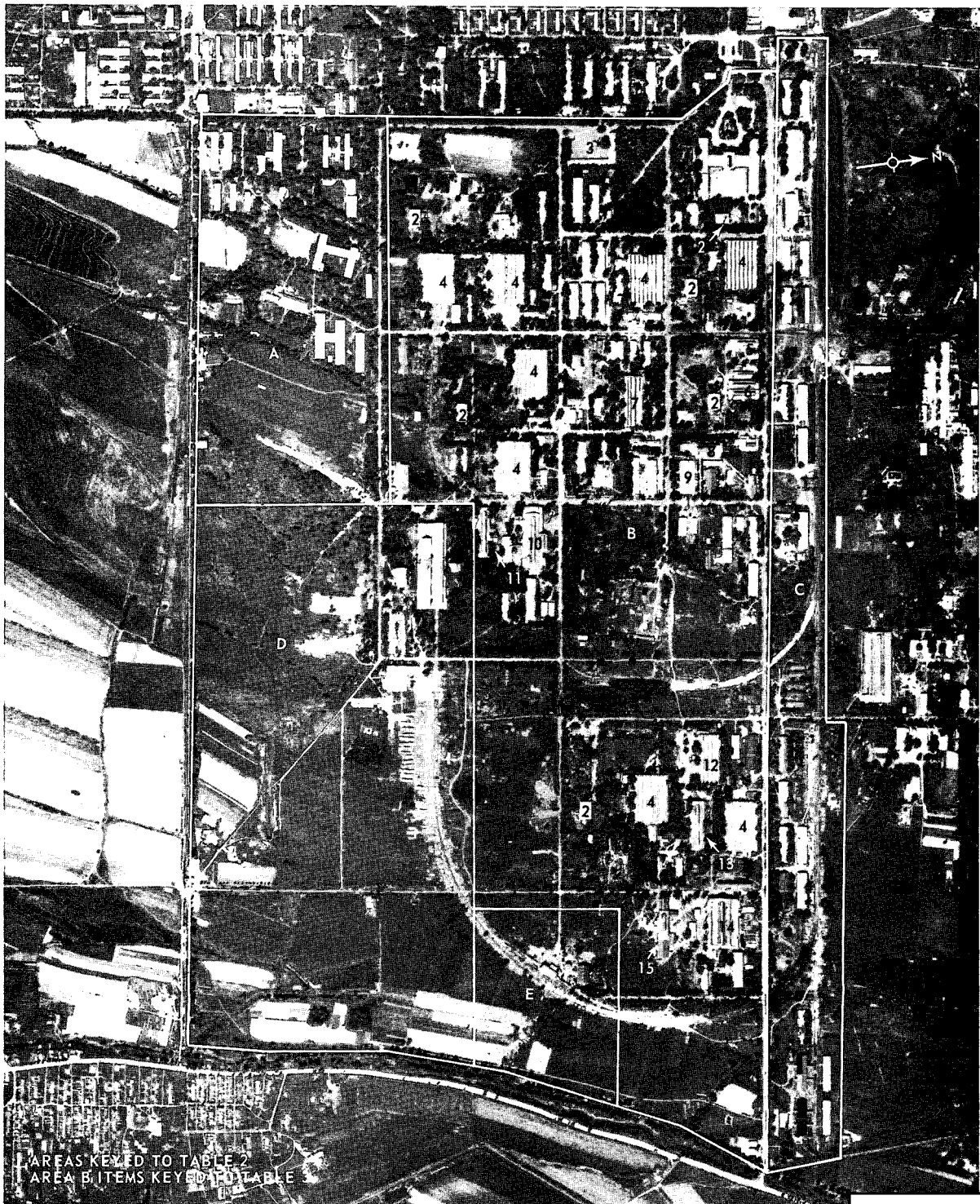


FIGURE 4. SOUTH AREA OF WEN-KUAN-TUN SUB-ARSENAL,

- 5 -

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NPIC/R-1619/63

Table 3. (Continued)

Item	Type	Dimensions (ft)		Remarks
		Length	Width	
10	Foundry	345	105	Multisectional
		80	30	
		40	40	
11	Foundry	275	65	Multisectional
		60	30	
		45	35	
12	Machine shop/assembly building	35	35	
13	Foundry	275	120	
14	Foundry	275	80	
15	Foundry	275	175	Multisectional
		320	55	
		55	40	
	40 storage buildings (unnumbered)			Totaling 193,700 sq ft of floor space

# REFERENCES

## PHOTOGRAPHY



## MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0290-11A, 3d ed, Dec 61, Scale 1:200,000 (SECRET)

## DOCUMENTS

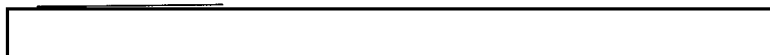
1. US Army PIC. PIB 114-6, Shen-yang (Mukden) Arsenal, Oct 62 (SECRET)
2. US Army FEC. SR 103, Shen-yang (Mukden) Liao-ning Province, China, 2d ed, Sep 56 (SECRET)

## REQUIREMENT

DIAAP IR5-2

## NPIC PROJECT

J-371/63 (partial answer)



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